

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	583	717/136.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/02 10:30
L6	21	ladder with (relay logic) and redundant with (remov\$3 eliminat\$3 delet\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/02 10:29
L5	3	ladder with (relay logic) with optimiz\$6 and compil\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/02 10:29
L4	47	ladder with (relay logic) with compil\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/02 10:29
L3	0	(compil\$5 with optim\$7 with control\$3 with (relay ladder sequential)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/02 10:29
L2	398	700/18.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/02 10:29
L1	48	(compil\$5 with optim\$7 with control\$3).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/02 10:28
S98	48	(compil\$5 with optim\$7 with control\$3).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 11:52
S97	0	(compil\$5 with optim\$7 with control\$3 with (relay ladder sequential)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 11:52

## EAST Search History

S96	377	700/18.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 11:51
S95	21	ladder with (relay logic) and redundant with (remov\$3 eliminat\$3 delet\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 10:30
S94	46	ladder with (relay logic) with compil\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 10:29
S93	3	ladder with (relay logic) with optimiz\$6 and compil\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 10:15
S92	12	ladder with (relay logic) with optimiz\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 10:12
S91	46	ladder with (relay logic) with compil\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:59
S1	82	ladder with compil\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:59
S90	2	"6496848".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 15:23
S89	2	"6883080".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 15:23
S88	1	2002-510224.NRAN.	DERWENT	OR	ON	2006/09/05 09:53

## EAST Search History

S87	5	"10116809"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 09:51
S86	0	"DE10116809"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 09:51
S85	2	"20020059567".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 09:51
S84	21	ladder with logic same optimi\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/19 12:22
S83	142	ladder with optimi\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/19 12:22
S82	0	ladder with optimi\$7 same redundan\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/19 12:20
S81	2	"20020059567".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/19 12:20
S80	68	table with (instruction (op-code opcode) mnemonic) with (cycles time) with (estimat\$4 calculat\$4 measur\$6) with execut\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/19 11:27
S79	281	table with (instruction (op-code opcode) mnemonic) with (cycles time) with (estimat\$4 calculat\$4 measur\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/19 11:27

## EAST Search History

S78	3638	table with (instruction (op-code opcode) mnemonic) with (cycles time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/19 11:25
S68	475	717/168.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:49
S59	553	717/124.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:48
S77	310	700/18.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:46
S76	2306	700/11.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:46
S75	313	326/46.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:46
S74	447	326/37.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:46
S73	245	711/140.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:46
S72	422	712/207.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:46
S71	189	712/206.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:46

## EAST Search History

S70	365	712/32.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:46
S69	110	717/172.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:46
S67	141	717/153.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:45
S66	102	717/152.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:45
S65	337	717/151.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:45
S64	232	717/143.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:45
S63	84	717/142.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:45
S62	275	717/141.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:45
S61	446	717/140.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:45
S60	367	717/136.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:45

## EAST Search History

S58	70	instruction near2 count\$3 with (interpret\$3 execut\$3) with frequen\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:13
S57	40	instruction near2 count\$3 near2 (interpret\$3 execut\$3) with frequen\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:13
S56	13	instruction near2 count\$3 near2 (interpret\$3 execut\$3) with occurrence	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:13
S55	2	instruction near2 frequency near2 (interpret\$3 execut\$3) with occurrence	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:12
S54	288	instruction near2 frequency near2 (interpret\$3 execut\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:11
S53	484	instruction near2 frequency with (interpret\$3 execut\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:10
S52	2526	instruction with frequency with (interpret\$3 execut\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:10
S51	50	instruction with frequency with table with (interpret\$3 execut\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:10
S50	151	(estimat\$4 with execut\$3 adj1 time).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/15 10:08
S49	888	(estimat\$4 with execut\$3 with time).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/15 10:08

## EAST Search History

S48	16	estimat\$4 with execut\$3 with time with array	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/15 10:07
S47	104	estimat\$4 with execut\$3 with time with table	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/15 10:06
S46	12	ladder with debug\$4 with (display screen)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/15 09:53
S45	3	ladder with debug\$4 with screen	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/15 09:19
S44	0	ladder with debug\$4 with window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/15 09:19
S43	82	ladder with debug\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/15 09:19
S42	92	ladder with (high-level c "c++" object-oriented) with language	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/15 09:04
S41	37	ladder with high-level	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/10 15:22
S40	249	700/18.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:32
S39	2270	700/11.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:32

## EAST Search History

S38	271	326/46.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:32
S37	395	326/37.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:31
S36	220	711/140.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:31
S35	363	712/207.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:28
S34	170	712/206.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:28
S33	328	712/32.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:28
S32	65	717/172.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:27
S31	285	717/168.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:26
S30	108	717/153.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:25
S29	82	717/152.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:25



## EAST Search History

S28	232	717/151.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:25
S27	192	717/143.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:25
S26	74	717/142.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:25
S25	225	717/141.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:25
S24	295	717/140.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:24
S23	210	717/136.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:24
S22	342	717/124.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 14:24
S21	89	(plc "programmable logic") with (general-purpose (general adj1 purpose)) adj1 microprocessor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 14:28
S20	339	(plc "programmable logic") with (general-purpose (general adj1 purpose)) with microprocessor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 14:24
S19	1221	(plc "programmable logic") with (general-purpose (general adj1 purpose))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 14:24

## EAST Search History

S18	19	((compil\$7 with plc) (compil\$7 and (plc.ti. plc.ab.))) and pipelin\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 14:23
S17	0	((compil\$7 with plc) (compil\$7 and (plc.ti. plc.ab.))) and prefetch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 11:26
S16	76	compil\$7 and (plc.ti. plc.ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 11:26
S15	71	compil\$7 with plc	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 11:25
S14	2	(logic adj1 controller).ab. and pre-fetch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 10:39
S13	2	(logic adj1 controller).ab. and prefetch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 10:29
S8	2	(logic adj1 controller).ti. and prefetch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 10:29
S12	5	(plc slc).ab. and pipelin\$3 with cache	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 10:28
S11	4	(plc slc).ab. and prefetch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 10:28
S10	0	(plc slc).ti. and prefetch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 10:27

## EAST Search History

S9	0	(\$1lc).ti. and prefetch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 10:27
S7	0	(logic adj1 controller).ti. and pipelin\$3 with cache	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 10:18
S6	11	plc and pipelin\$3 with cache	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 10:18
S5	1	"programmable logic controller" and pipeline with cache	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/11 09:52
S4	7	"programmable logic controller" with pipeline	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/21 09:55
S3	15	ladder with compil\$ and optimi\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/21 09:52
S2	0	ladder with compil\$ and "dead code"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/21 09:09